

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
1 April 2004 (01.04.2004)

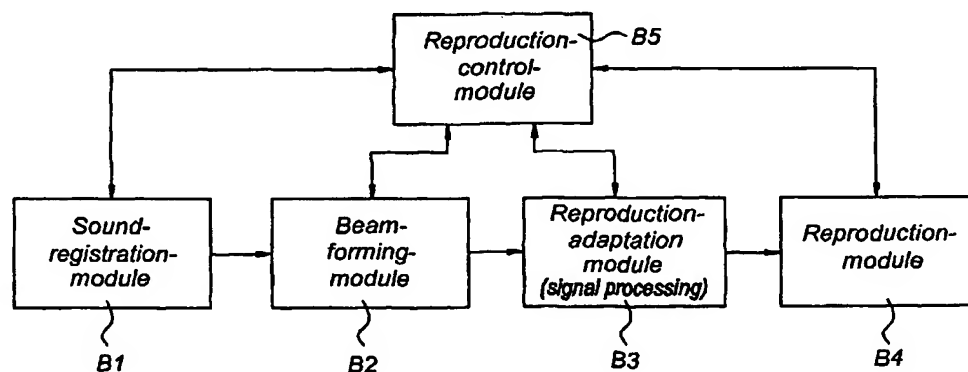
PCT

(10) International Publication Number
WO 2004/028203 A3

- (51) International Patent Classification⁷: **H04R 25/00**
- (21) International Application Number:
PCT/NL2003/000647
- (22) International Filing Date:
18 September 2003 (18.09.2003)
- (25) Filing Language: Dutch
- (26) Publication Language: English
- (30) Priority Data:
1021485 18 September 2002 (18.09.2002) NL
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- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report

[Continued on next page]

(54) Title: SPECTACLE HEARING AID



(57) Abstract: Hearing aid/spectacles combination (1) having a spectacle frame (1', 2', 3') and a first reproduction unit (5; 6), wherein the spectacle frame has a microphone array (2; 3) in a first spectacle arm (2'; 3'), the microphone array (2; 3) is able to pick up a sound signal and is able to transmit a processed signal, produced on the basis of said sound signal, to the first reproduction unit (5; 6), wherein the hearing aid/spectacles combination (1) comprises at least four basic modules (B1, B2, B3, B4), comprising: a sound registration module (B1) that comprises the microphone array (2; 3); a beam forming module (B2) for forming a direction-dependent processed signal; a reproduction adaptation module (B3) for controlling a reproduction characteristic of the processed sound signal produced by the first reproduction unit (5; 6); a reproduction module (B4) that comprises the first reproduction unit (5; 6); and a reproduction control module (B5) for controlling a reproduction characteristic of the processed sound signal produced by the first reproduction unit (5; 6), wherein the beam forming module (B2) and the reproduction adaptation module (B3) are based on digital techniques.

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(88) **Date of publication of the international search report:**
8 July 2004

INTERNATIONAL SEARCH REPORT

PCT/NL 03/00647

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04R25/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H04R

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

WPI Data, PAJ, EP0-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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| Y | WO 99/21400 A (UNIV DELFT TECH ;BERKHOUT AUGUSTINUS JOHANNES (NL); BOONE MARINUS) 29 April 1999 (1999-04-29) cited in the application the whole document --- -/-- | 1-9, 11-13, 16,17, 19,20, 23-25, 27,28, 30,36 |

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

15 April 2004

Date of mailing of the international search report

25.05.2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
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INTERNATIONAL SEARCH REPORT

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Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such extent that no meaningful International Search can be carried out, specifically:

- ☐ Claims Nos.:
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Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☒ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
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Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
☒ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1-37

Hoorbril samengesteld uit verschillende modules

2. Claims: 38-44

Hoortoestel met onderdrukking van het stemgeluid van de gebruiker

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